

Highly crystalline propylene homopolymers

5 Abstract

Propylene homopolymers, wherein, in their separation according to tacticity by first dissolving the polymers in boiling xylene, then cooling the solution to 25°C at a cooling rate of 10°C/h and 10 then, with ascending temperature, separating the propylene homopolymers into fractions of different tacticity, either one or more of the conditions that

i) the fraction of propylene homopolymers which remains 15 undissolved on heating the cooled propylene homopolymer solution to 112°C is greater than 20 % by weight or

ii) the fraction of propylene homopolymers which remains 20 undissolved on heating the cooled propylene homopolymer solution to 117°C is greater than 8 % by weight or

iii) the fraction of propylene homopolymers which remains 25 undissolved on heating the cooled propylene homopolymer solution to 122°C is greater than 1 % by weight,

are satisfied.

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